

Styling Text with CSS

Font Styles

Font styles affect the appearance of text within your HTML elements. Here are some key properties:

color

- Updates the foreground color of the text.
- Also affects the color of any associated underlines included with `text-decoration`.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/color>
- **Demo URL:** <https://codepen.io/quintonjason/pen/raBPRao>

```
p {  
  color: rebeccapurple;  
}
```

Bacon ipsum dolor amet picanha short loin hamburger capicola alcatra, pork belly leberkas chuck. Frankfurter swine shoulder jerky, drumstick chicken pancetta biltong chuck hamburger leberkas capicola ground round sirloin.

font-family

- Used to set a different font for your text.
- **Use web-safe fonts** to ensure consistent display across different devices and browsers. Common web-safe fonts include Arial, Helvetica, Times New Roman, and Verdana.
- You can apply one font or a list of fonts that serve as fallbacks.
- The font stack is the list of fonts, from left to right, that the browser will try to load until it reaches the generic serif or sans-serif.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/font-family>
- **Demo:** <https://codepen.io/quintonjason/pen/OPLdqVm>

```
p {  
  font-family: "Gill Sans", sans-serif;  
}
```

Bacon ipsum dolor amet picanha short loin hamburger capicola alcatra, pork belly leberkas chuck. Frankfurter swine shoulder jerky, drumstick chicken pancetta biltong chuck hamburger leberkas capicola ground round sirloin.

font-size

- Sets the size of the text.
- **Common units:**
 - **px:** An absolute unit that results in the same size in any situation.
 - **em:** A flexible unit where 1em is equal to the font size of the parent element. Can be confusing to use consistently.
 - **rem:** A flexible unit similar to **em**, but 1rem equals the font size of the `<html>` or `<body>` element, making it easier to control font sizes globally.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/font-size>
- **Demo:** <https://codepen.io/quintonjason/pen/raBPRVP>

```
p {  
  font-size: 36px;  
}
```

Bacon ipsum dolor amet picanha short loin hamburger capicola alcatra, pork belly leberkas chuck.

font-style

- Used to turn on and off italics.
 - **normal:** Turns off italics.
 - **italic:** Turns on italics in your font.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/font-style>
- **Demo:** <https://codepen.io/quintonjason/pen/RNbvdWG>

```
p {  
  font-style: italic;  
}
```

*Bacon ipsum dolor amet picanha short loin
hamburger capicola alcatra, pork belly leberkas
chuck. Frankfurter swine shoulder jerky, drumstick
chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.*

font-weight

- Sets how bold the font is.
 - **normal**, **bold**: Using keywords.
 - **lighter**, **bolder**: Keywords set based on the parent's font weight.
 - **100** - **900**: Numeric boldness values (recommended). These values are commonly used in font services like Google Fonts and Adobe Fonts.
- **MDN Link**: <https://developer.mozilla.org/en-US/docs/Web/CSS/font-weight>
- **Demo**: <https://codepen.io/quintonjason/pen/PwYVLPm>

```
p {  
  font-weight: 700;  
}
```

**Bacon ipsum dolor amet picanha short loin
hamburger capicola alcatra, pork belly leberkas
chuck. Frankfurter swine shoulder jerky,
drumstick chicken pancetta biltong chuck
hamburger leberkas capicola ground round
sirloin.**

text-transform

- Allows your font to be transformed.
 - **none**: Removes all transforms.
 - **uppercase**: Transforms all text to uppercase.
 - **lowercase**: Transforms all text to lowercase.
 - **capitalize**: Transforms the first letter of each word to uppercase.
- **MDN Link**: <https://developer.mozilla.org/en-US/docs/Web/CSS/text-transform>
- **Demo**: <https://codepen.io/quintonjason/pen/jENdJbx>

```
p {  
  text-transform: uppercase;  
}
```

BACON IPSUM DOLOR AMET PICANHA SHORT LOIN
HAMBURGER CAPICOLA ALCATRA, PORK BELLY
LEBERKAS CHUCK. FRANKFURTER SWINE
SHOULDER JERKY, DRUMSTICK CHICKEN
PANCETTA BILTONG CHUCK HAMBURGER
LEBERKAS CAPICOLA GROUND ROUND SIRLOIN.

text-decoration

- Mainly used for underlines in links.
- You'll mainly use this to remove underlines from links.
 - **none**: Unsets all text decorations.
 - **underline**: Puts the text-decoration under the text.
 - **overline**: Puts the text-decoration above the text.
 - **line-through**: Puts the text-decoration through the middle of the text.
- **MDN Link**: <https://developer.mozilla.org/en-US/docs/Web/CSS/text-decoration>
- **Demo**: <https://codepen.io/quintonjason/pen/zxOebvX>

```
p {  
  text-decoration: underline;  
}
```

Bacon ipsum dolor amet picanha short loin
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chuck. Frankfurter swine shoulder jerky, drumstick
chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

text-shadow

- Allows you to apply a drop shadow to text.
- Takes 4 properties:
 - **Horizontal offset**: How far to offset the shadow horizontally.
 - **Vertical offset**: How far to offset the shadow vertically.
 - **Blur radius**: Controls the blurriness of the shadow.
 - **Color**: The color of the shadow.
- **MDN Link**: <https://developer.mozilla.org/en-US/docs/Web/CSS/text-shadow>
- **Demo**: <https://codepen.io/quintonjason/pen/RNbvdRg>

```
p {  
  text-shadow: 1px 1px 2px pink;  
}
```

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chuck. Frankfurter swine shoulder jerky, drumstick
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capicola ground round sirloin.

Text Layout

Text Layout properties affect the spacing and other layout features of the text, allowing manipulation of, for example, the space between lines and letters, and how the text is aligned within the content box:

text-align

- Controls how the text is aligned in its containing box.
- They work similar to word processing text alignment.
 - **left**: Left-justifies the text.
 - **right**: Right-justifies the text.
 - **center**: Centers the text.
 - **justify**: Makes the text spread out touching the beginning and end of the lines.
- **MDN Link**: <https://developer.mozilla.org/en-US/docs/Web/CSS/text-align>
- **Demo**: <https://codepen.io/quintonjason/pen/XJrOGXG>

```
.bacon {  
  text-align: center;  
}
```

Bacon ipsum dolor amet picanha short loin
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capicola ground round sirloin.

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chuck. Frankfurter swine shoulder jerky, drumstick
chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

line-height

- Sets the height of each line of text.
- Can take common length units, and also unitless values.
- The unitless value is preferred as it acts as a multiplier (e.g., `line-height: 1.5` means each line is 1.5 times the font size).
- Body text often benefits from increased line-height as it gives more "breathing room".
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/line-height>
- **Demo:** <https://codepen.io/quintonjason/pen/dPbarMY>

```
.bacon {  
  line-height: 1.5;  
}
```

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chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

Bacon ipsum dolor amet picanha short loin
hamburger capicola alcatra, pork belly leberkas
chuck. Frankfurter swine shoulder jerky, drumstick
chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

letter-spacing:

- Sets the spacing between letters.
- **Note:** Use sparingly, as excessive letter-spacing can make text difficult to read.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/letter-spacing>
- **Demo:** <https://codepen.io/quintonjason/pen/gbYqErm>

```
.bacon {  
  letter-spacing: 1px;  
}
```

Bacon ipsum dolor amet picanha short loin
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chuck. Frankfurter swine shoulder jerky, drumstick
chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

Bacon ipsum dolor amet picanha short loin
hamburger capicola alcatra, pork belly
leberkas chuck. Frankfurter swine shoulder
jerky, drumstick chicken pancetta biltong
chuck hamburger leberkas capicola ground
round sirloin.

word-spacing:

- Sets the spacing between words.
- **Note:** Use sparingly, as excessive word-spacing can make text difficult to read.
- **MDN Link:** <https://developer.mozilla.org/en-US/docs/Web/CSS/word-spacing>
- **Demo:** <https://codepen.io/quintonjason/pen/NPKoJNX>

```
.bacon {  
  word-spacing: 5px;  
}
```

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chicken pancetta biltong chuck hamburger leberkas
capicola ground round sirloin.

Bacon ipsum dolor amet picanha short loin
hamburger capicola alcatra, pork belly leberkas
chuck. Frankfurter swine shoulder jerky,
drumstick chicken pancetta biltong chuck
hamburger leberkas capicola ground round
sirloin.

Exercises

Exercise 1: Style a Paragraph

Create an HTML document with a paragraph of text. Using CSS, style the paragraph with the following properties:

- `color: blue;`

- `font-size: 18px;`
- `font-family: Arial, sans-serif;`

Example HTML:

```
HTML
<!DOCTYPE html>
<html>
  <head>
    <title>Styled Paragraph</title>
    <link rel="stylesheet" href="styles.css">
  </head>
  <body>
    <p>This is a paragraph of text with some CSS styling.</p>
  </body>
</html>
```

Example CSS (styles.css):

```
CSS
p {
  color: blue;
  font-size: 18px;
  font-family: Arial, sans-serif;
}
```

Exercise 2: Text Transformations

Create an HTML document with a heading (e.g., `<h1>`). Using CSS, style the heading with:

- `text-transform: uppercase;`
- Then, try `text-transform: capitalize;`

Example HTML:

```
HTML
<!DOCTYPE html>
<html>
  <head>
```



```
<title>Text Transformations</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1>This is a heading</h1>
</body>
</html>
```

Example CSS (styles.css):

```
CSS
h1 {
  text-transform: uppercase;
}
```

Example CSS (for capitalization):

```
CSS
h1 {
  text-transform: capitalize;
}
```

Exercise 3: Text Alignment

Create an HTML document with a paragraph of text. Using CSS, style the paragraph with:

- `text-align: center;`
- Then, try `text-align: right;`

Example HTML:

```
HTML
<!DOCTYPE html>
<html>
  <head>
    <title>Text Alignment</title>
    <link rel="stylesheet" href="styles.css">
```

```
</head>
<body>
  <p>This is a paragraph of text.</p>
</body>
</html>
```

Example CSS (centered):

```
CSS
p {
  text-align: center;
}
```

Example CSS (right-aligned):

CSS

```
p {
  text-align: right;
}
```

Exercise 4: Line Height

Create an HTML document with a paragraph of text. Experiment with different `line-height` values and observe the changes.

Example HTML:

```
HTML
<!DOCTYPE html>
<html>
  <head>
    <title>Line Height</title>
    <link rel="stylesheet" href="styles.css">
  </head>
  <body>
    <p>This is a paragraph of text.</p>
```

```
</body>  
</html>
```

Example CSS (increased line-height):

```
CSS  
p {  
  line-height: 1.5;  
}
```